

Panasonic



42-inch FULL HD LCD Display

TH-42LF25ER

Product specification (design and specification subject to change without notice)

■ DISPLAY PANEL

| | | | |
|-------------------------------------|-----------------------|--|--|
| Screen Size(Diagonal) | 42-inch (1067 mm) | | |
| Aspect ratio | 16:9 | | |
| Effective Display Area(W x H) | 930 x 523 mm | | |
| Number of pixels (H x V) | 1920 x 1080 pixels | | |
| Brightness (Typ) | 500 cd/m ² | | |
| Contrast Ratio | 1200:1 | | |
| Response Time | 9 ms (G to G) | | |
| Viewing Angle (Horizontal/Vertical) | 178° /178° | | |
| Operating Life | approx. 50,000 hours* | | |

*An approximate time until the panel brightness decreases to half of its original value.

■ CONNECTION TERMINAL

| | | |
|---------------------------|--|--|
| VIDEO IN | BNC x 1 | 1.0 Vp-p (75Ω) |
| S-VIDEO IN | Mini DIN 4 Pin x 1 | Y:1.0Vp-p (75Ω), C: 0.286Vp-p (75Ω) |
| AUDIO IN (VIDEO, S-VIDEO) | RCA Pin jack (L/R) x 1 set | 0.5 Vrms |
| HDMI IN | HDMI TYPE A connector x 2 (Deep Color compatible) | |
| COMPONENT/RGB IN | BNC x 3 | G/Y : with sync 1.0 Vp-p (75Ω) B/PB/CB : 0.7 Vp-p (75Ω) R/PR/CR : 0.7 Vp-p (75Ω) |
| AUDIO IN | RCA Pin jack (L/R) x 1 set | 0.5 Vrms |
| DVI-D IN | DVI-D 24 Pin (HDCP compatible) x 1 | |
| PC IN | MINI D-sub 15 Pin x1 (Female) Plug & Play (VESA DDC 2B) | G : with sync 1.0 Vp-p (75Ω) : without sync 0.7 Vp-p (75Ω) B : 0.7 Vp-p (75Ω) R : 0.7 Vp-p (75Ω) HD/VD : 1.0 - 5.0 Vp-p (high impedance) |
| AUDIO IN (DVI-D, PC) | M3 jack x 1 | 0.5 Vrms |
| SERIAL | D-sub 9 Pin x 1 (Male) (EXTERNAL CONTROL TERMINAL), RS-232C compatible | |

■ ELECTRICAL

| | | | |
|------------------------------------|-----------------------------|--|--|
| Power Requirements | 220-240 V AC, 50Hz/60Hz | | |
| Rated Power Consumption | 240W | | |
| On Mode Average Power Consumption* | approx. 200W | | |
| Power off condition | 0.2W | | |
| Stand-by condition | Save on 0.2W, Save off 0.3W | | |

*Based on IEC 62087 Ed.2 measurement method.

■ AUDIO

| | |
|-------------------|----------------------------|
| Built-in Speakers | 8Ω, 10W [5W + 5W] (10%THD) |
|-------------------|----------------------------|

■ MECHANICAL

| | |
|-------------------------------|--|
| Dimensions (W x H x D) | 968 x 561 x 101 mm |
| Carton Dimensions (W x H x D) | 1099 x 707 x 210 mm |
| Weight | approx. 18.0 kg |
| Gross weight | approx. 22.0 kg |
| Bezel Width | 18.3 mm |
| Cabinet Material / Color | Plastic / Black |
| VESA mount | 400 x 400 mm (Installed by: M6 screws/ Screw hole depth 11.4 mm) |

■ ENVIRONMENTAL

| | |
|-----------------------|---|
| Operating environment | Temperature : 0°C to 40°C Humidity : 20% to 80% (Non condensation) |
| Storage environment | Temperature : -20°C to 60 °C* Humidity : 20% to 90% (Non condensation) |

*If the Temperature is 40°C to 60°C, please keep in humidity 20% to 40%.

■ STANDARD (CERTIFICATIONS)

| | |
|-----------------------|--|
| SAFETY REGULATIONS | EN60065, IEC60065, GOST |
| RADIATION REGULATIONS | EN55022 Class-B, EN55024, EN61000-3-2, EN61000-3-3 |

■ REMOTE CONTROL TRANSMITTER

| | |
|--------------------|----------------------------------|
| Power Requirements | DC 3V (2 x AA Size batteries) |
| Operation distance | approx. 7m in front of Display |
| Weight | approx. 100g including batteries |

■ INCLUDED ACCESSORIES

| | | | |
|-----------|------------------------------|------------------------------|-------------|
| - AC cord | - Operating instruction book | - Remote control transmitter | - Batteries |
|-----------|------------------------------|------------------------------|-------------|

MAIN FEATURE

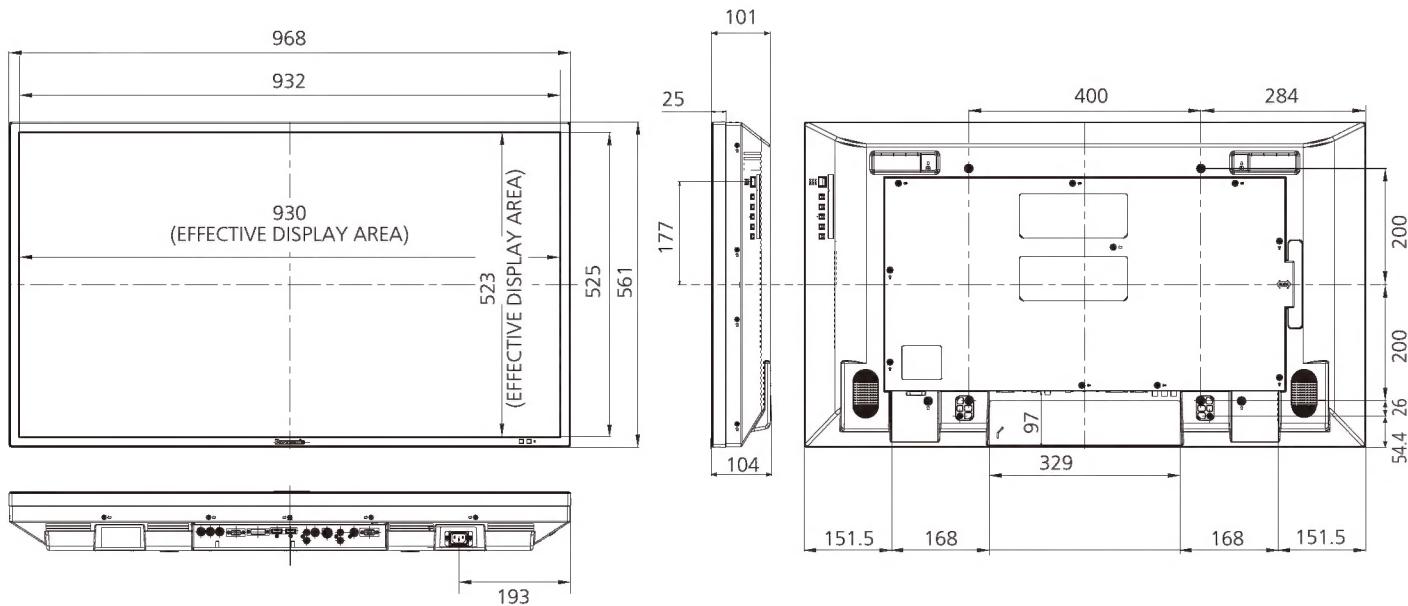
| | |
|----------------------------|---|
| Multi-Screen System | 2 x 2, 3 x 3, 4 x 4, 5 x 5 n x m (max 5 x 5) |
| Power-on Delay | Yes |
| Seam Hides Video Off Mode | Yes |
| Digital Zoom | x2, x3, x4 |
| 1:1 Pixel mode | Yes |
| Automatic Picture Position | Yes |
| Screen Saver | Yes |
| PC Power Management | Yes |
| Power Save Mode | Yes |
| Auto Power Off | Yes |
| Standby Power Save Mode | Yes |
| ECO | On/Off/Sensor |
| Input lock | Yes |
| Button lock | Yes |
| Maximum volume level | Yes |
| Remote user level | Yes |

OPTIONAL ACCESSORIES

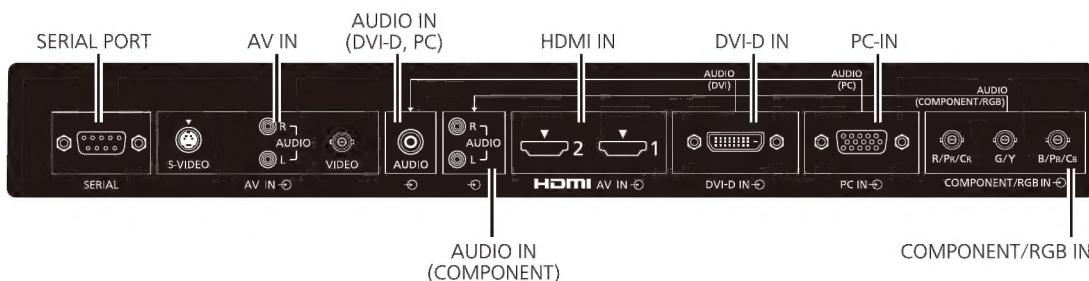
| | |
|----------|-----------|
| Pedestal | TY-STLF20 |
|----------|-----------|

DIMENSIONS

Cautions: This drawing is not a scale
Units :mm



CONNECTION TERMINAL



APPLICABLE INPUT SIGNALS

| | Signal name | Horizontal frequency (kHz) | Vertical frequency (kHz) | VIDEO S-VIDEO | COMPONENT IN (Dotclock(MHz)) | RGB IN (Dotclock(MHz)) | PC IN (Dotclock(MHz)) | DVI-D IN (Dotclock(MHz)) | HDMI1 HDMI2 |
|--------------------------|-------------------------|----------------------------|--------------------------|---------------|------------------------------|------------------------|-----------------------|--------------------------|-------------|
| Video Signals | NTSC | 15.73 | 59.94 | Y | | | | | |
| | PAL | 15.63 | 50.00 | Y | | | | | |
| | PAL 6.0 | 15.73 | 59.94 | Y | | | | | |
| | SECAM | 15.63 | 50.00 | Y | | | | | |
| | NTSC 4. 4.3 | 15.73 | 59.94 | Y | | | | | |
| | PAL M | 15.73 | 59.94 | Y | | | | | |
| | PAL N | 15.63 | 50.00 | Y | | | | | |
| | 525(480)/60i | 15.73 | 59.94 | | Y (13.5) | | | | |
| | 525(480)/60p | 31.47 | 59.94 | | Y (27.0) | | | | |
| | 625(575)/50i | 15.63 | 50.00 | | Y (13.5) | | | | |
| | 625(576)/50i | 15.63 | 50.00 | | | | | | |
| | 625(575)/50p | 31.25 | 50.00 | | Y (27.0) | | | | |
| | 625(576)/50p | 31.25 | 50.00 | | | | | | |
| | 750(720)/60p | 45.00 | 60.00 | | Y (74.25) | | | | |
| | 750(720)/50p | 37.50 | 50.00 | | Y (74.25) | | | | |
| | 1125(1080)/60p | 67.50 | 60.00 | | Y (148.5)*1 | | | | |
| | 1125(1080)/60i | 33.75 | 60.00 | | Y (74.25)*1 | | | | |
| | 1125(1080)/50p | 56.25 | 50.00 | | Y (148.5)*1 | | | | |
| | 1125(1080)/50i | 28.13 | 50.00 | | Y (74.25)*1 | | | | |
| | 1125(1080)/24sF | 27.00 | 48.00 | | Y (74.25)*2 | | | | |
| | 1125(1080)/30p | 33.75 | 30.00 | | Y (74.25)*1 | | | | |
| | 1125(1080)/25p | 28.13 | 25.00 | | Y (74.25)*1 | | | | |
| | 1125(1080)/24p | 27.00 | 24.00 | | Y (74.25)*1 | | | | |
| Component Signals | 640x400@70Hz | 31.46 | 70.07 | | | Y (25.17) | Y (25.17) | Y (25.17) | |
| | 640x400@85Hz | 37.86 | 85.08 | | | Y (31.5) | Y (31.5) | Y (31.5) | |
| | 640x480@60Hz | 31.43 | 59.88 | | | Y (25.15) | Y (25.15) | Y (25.15) | |
| | 640x480@60Hz | 31.47 | 59.94 | | | Y (25.18) | Y (25.18) | Y (25.18) | Y |
| | 640x480@67Hz | 35.00 | 66.67 | | | Y (30.24) | Y (30.24) | Y (30.24) | |
| | 640x480@72Hz | 37.86 | 72.81 | | | Y (31.5) | Y (31.5) | Y (31.5) | |
| | 640x480@75Hz | 37.50 | 75.00 | | | Y (31.5) | Y (31.5) | Y (31.5) | |
| | 640x480@85Hz | 43.27 | 85.01 | | | Y (36.0) | Y (36.0) | Y (36.0) | |
| | 720x400@70Hz | 31.47 | 70.08 | | | Y (28.32) | Y (28.32) | Y (28.32) | |
| | 800x600@55Hz | 34.50 | 55.38 | | | Y (35.33) | Y (35.33) | Y (35.33) | |
| | 800x600@56Hz | 35.16 | 56.25 | | | Y (36.0) | Y (36.0) | Y (36.0) | |
| | 800x600@60Hz | 37.88 | 60.32 | | | Y (40.0) | Y (40.0) | Y (40.0) | Y |
| | 800x600@60Hz | 38.00 | 60.51 | | | Y (40.13) | Y (40.13) | Y (40.13) | |
| | 800x600@72Hz | 48.08 | 72.19 | | | Y (50.0) | Y (50.0) | Y (50.0) | |
| | 800x600@75Hz | 46.88 | 75.00 | | | Y (49.5) | Y (49.5) | Y (49.5) | |
| | 800x600@85Hz | 53.67 | 85.06 | | | Y (56.25) | Y (56.25) | Y (56.25) | |
| | 852x480@60Hz | 31.47 | 59.94 | | | Y (33.54) | Y (33.54) | Y (34.24) | |
| | 1024x768@50Hz | 39.55 | 50.00 | | | Y (51.89) | Y (51.89) | Y (51.89) | |
| | 1024x768@60Hz | 48.36 | 60.00 | | | Y (65.0) | Y (65.0) | Y (65.0) | Y |
| | 1024x768@60Hz | 48.50 | 60.02 | | | Y (64.99) | Y (64.99) | Y (65.18) | |
| | 1024x768@70Hz | 56.48 | 70.07 | | | Y (75.0) | Y (75.0) | Y (75.0) | |
| | 1024x768@75Hz | 60.24 | 74.93 | | | Y (80.0) | Y (80.0) | Y (80.0) | |
| | 1024x768@75Hz | 60.02 | 75.03 | | | Y (78.75) | Y (78.75) | Y (78.75) | |
| | 1024x768@75Hz | 61.01 | 75.70 | | | Y (80.05) | Y (80.05) | Y (81.0) | |
| | 1024x768@85Hz | 68.68 | 85.00 | | | Y (94.5) | Y (94.5) | Y (94.5) | |
| | 1024x768@120Hz | 97.55 | 119.99 | | | Y (115.5) | Y (115.5) | Y (115.5) | |
| | 1066x600@60Hz | 37.64 | 59.94 | | | Y (53.0) | Y (53.0) | Y (53.0) | |
| | 1152x864@60Hz | 53.70 | 60.00 | | | Y (81.62) | Y (81.62) | Y (81.62) | |
| | 1152x864@75Hz | 67.50 | 75.00 | | | Y (108.0) | Y (108.0) | Y (108.0) | |
| | 1152x900@65Hz | 61.20 | 65.20 | | | Y (92.0) | Y (92.0) | Y (92.0) | |
| | 1152x900@66Hz | 61.85 | 66.00 | | | Y (94.5) | Y (94.5) | Y (94.5) | |
| | 1152x900@75Hz | 71.40 | 75.60 | | | Y (105.1) | Y (105.1) | Y (105.1) | |
| | 1280x768@60Hz | 47.78 | 59.87 | | | Y (79.50) | Y (79.50) | Y (79.50) | |
| | 1280x800@50Hz | 41.20 | 50.00 | | | Y (68.55) | Y (68.55) | Y (68.55) | |
| | 1280x960@60Hz | 60.00 | 60.00 | | | Y (108.0) | Y (108.0) | Y (108.0) | |
| | 1280x960@85Hz | 85.94 | 85.00 | | | Y (148.5) | Y (148.5) | Y (148.5) | |
| | 1280x1024@50Hz | 52.70 | 50.00 | | | Y (89.38) | Y (89.38) | Y (89.38) | |
| | 1280x1024@60Hz | 63.34 | 59.98 | | | Y (108.18) | Y (108.18) | Y (108.18) | |
| | 1280x1024@60Hz | 63.90 | 60.00 | | | Y (107.35) | Y (107.35) | Y (107.35) | |
| | 1280x1024@60Hz | 63.37 | 60.01 | | | Y (107.5) | Y (107.5) | Y (107.5) | |
| | 1280x1024@60Hz | 63.74 | 60.02 | | | Y (108.1) | Y (108.1) | Y (108.1) | |
| | 1280x1024@60Hz | 63.98 | 60.02 | | | Y (108.0) | Y (108.0) | Y (108.0) | Y |
| | 1280x1024@60Hz | 63.79 | 60.18 | | | Y (108.19) | Y (108.19) | Y (108.19) | |
| | 1280x1024@66Hz | 70.66 | 66.47 | | | Y (119.84) | Y (119.84) | Y (119.84) | |
| | 1280x1024@75Hz | 79.98 | 75.02 | | | Y (135.0) | Y (135.0) | Y (135.0) | |
| | 1280x1024@76Hz | 81.13 | 76.11 | | | Y (135.0) | Y (135.0) | Y (135.0) | |
| | 1280x1024@85Hz | 91.15 | 85.02 | | | | | | |
| | 1360x768@60Hz | 47.71 | 60.02 | | | Y (85.5) | Y (85.5) | Y (85.5) | |
| | 1366x768@50Hz | 39.55 | 50.00 | | | Y (69.92) | Y (69.92) | Y (69.92) | |
| | 1366x768@60Hz | 48.36 | 60.00 | | | Y (86.71) | Y (86.71) | Y (87.44) | |
| | 1400x1050@60Hz | 65.12 | 59.91 | | | Y (121.38) | Y (121.38) | Y (122.43) | |
| | 1400x1050@60Hz | 65.32 | 59.98 | | | Y (121.75) | Y (121.75) | Y (121.75) | |
| | 1400x1050@60Hz | 65.35 | 60.12 | | | Y (121.81) | Y (121.81) | Y (121.85) | |
| | 1400x1050@75Hz | 82.28 | 74.87 | | | Y (156.0) | Y (156.0) | Y (156.0) | |
| | 1600x1200@60Hz | 75.00 | 60.00 | | | Y (162.0) | Y (162.0) | Y (162.0) | |
| | 1920x1080@60Hz | 67.50 | 60.00 | | | Y (148.5) | Y (148.5) | Y (148.5) | |
| | 1920x1200@60Hz | 74.04 | 59.95 | | | | | | |
| | Macintosh13"(640x480) | 35.00 | 66.67 | | | Y (30.24) | Y (30.24) | Y (30.24) | |
| | MacintoshLC13"(640x480) | 34.97 | 66.60 | | | Y (31.33) | Y (31.33) | Y (31.33) | |
| | Macintosh16"(832x624) | 49.72 | 74.55 | | | Y (57.28) | Y (57.28) | Y (57.28) | |
| | Macintosh19"(1024x768) | 60.24 | 75.08 | | | Y (80.0) | Y (80.0) | Y (80.0) | |
| | Macintosh21"(1152x870) | 68.68 | 75.06 | | | Y (100.0) | Y (100.0) | Y (100.0) | |
| | Macintosh II(1280x1024) | 80.00 | 75.00 | | | Y (134.4) | Y (134.4) | Y (135.2) | |

*1:Based on SMPTE 274M standard.

*2:Based on SMPTE RP211 standard.